CLAIMS

1.   Device to be applied to a person in order to detect the incorrect postures thereof, i.e. at-risk postures, characterized in that it is placed on a segment of the body, and includes:

- an inclinometer (26) delivering a signal representative of the angle of inclination of
5   said segment with respect to a vertical line,
- a calculator (28) receiving said signal and programmed to execute cyclically the operations of:
  - obtaining a measurement of the angle of inclination (36),
  - comparing this measurement to two stored threshold values of said angle, respectively corresponding to leaning positions in a first direction and a second opposite direction, which constitute at-risk postures (38), and
  - generating an indication of breaches of the threshold values (46), and
- indicating means, responding to said indication, to inform the person and/or the therapist.

2.   Device according to claim 1, characterized in that said inclinometer (26) is an accelerometer.
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3.   Device according to claim 1, characterized in that it further includes an interface (14) for storing, using push-buttons (18, 20), the two threshold values of the angle of inclination in the calculator (28) .

15   4.   Device according to claim 1, characterized in that said indicating means including a light alarm (22).

5.   .   Device according to claims 1 and 4, characterized in that said indicating means include an acoustic alarm (24).
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6.   Device according to any of claims 1, 4 and 5, characterized in that said indicating means include a vibrating alarm (25).

7.   Device according to any of claims 1, 4, 5 and 6, characterized in that said
indicating means include a memory (30) that can be read from the exterior, including
a plurality of registers assigned to successive time slots regrouping a plurality of
cycles, and in that said calculator (28) is programmed to store, in each of said
5   registers, breaches of the forward and backward threshold values observed at each
of the cycles of the current time slot.

8.   Device according to any of claims 1, 4, 5 and 6, characterized in that said
indicating means include a memory (30) that can be read from the exterior, including
10   a plurality of registers assigned to successive time slots regrouping a plurality of
cycles, and in that said calculator (28) is programmed to record, in each of said
registers, the maximum value of breaches of the forward and backward threshold
values observed during the current time slot.

15   9.   Device according to claims 7 and 8, characterized in that said cycles and said
time slots have a respective duration of 100 ms and 15 minutes.

10.   Device according to any of claims 1 to 9, characterized in that said positions
are forward or backward leaning positions.

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